

Xpert Voice/Data Modem w/NIFC King Radio Option



Overview

The 8080-0005-1B is a voice & data communications telephone modem for Sutron's Xpert and XLite dataloggers.

The 8080-0005-1B enhances standard modem features with additional Sutron power-saving capabilities. And, Xpert and XLite dataloggers RS232 com ports allow direct powering of the modem from the dataloggers.

The 8080-0005-2 is a special version designed to interface to a King Radio.

The NIFC version of this modem includes an interface between an Xpert (or XLite) and a King Radio. It is not designed for connection to a telephone line.



SPECIFICATIONS

Specifications subject to change without notice

Baud Rate	up to 115,200		
Interfaces	RS232		
	Xpert can be configured to supply power out pin 9 of DB-9 interface.		
	Interface between Xpert/XLite & a King Radio		
Sending & Receiving	V.34, 33.6 kbps		
Voice	Playback & Record		
Decode	DTMF decode		
Operating Temperature	-40°C to +60°C extended		
Error Correction	V.42, MNP 2-4 and 10-EC		
Data Compression	V.42bis, and MNP-5		
Ratings @ 25° C - Parameter	Min	Max	Units
Tip / Ring Current Continuous	0	120	mA
Dielectric Withstanding Voltage	-	1500	VRMS
Operating Temperature	-40	+60	° C
Voltage Requirement	4.75	16.0	V
Power Consumption	-	880	mW
Transmit & Receive Level	-10 (Tx)	-43 (Rx)	dbm
Dimensions	5" x 4.5" x 1.3"		
Weight	0.5 lb.		
Shipping Height	8 in. (20.4 cm)		
Shipping Length	8 in. (20.4 cm)		
Shipping Width	3 in. (7.7 cm)		
Shipping Weight	4 lbs. (1.8 Kg)		

Agency Approvals

- ▶ FCC part 68
- ▶ IC CS03

Features

- ▶ Xpert/XLite allow programming of unit in various languages for transmission by voice modem*
- ▶ **Countries Supported:** Australia, Austria, Belgium, Brazil, Canada, China, Denmark, Finland, France, Germany, Hong Kong, India, Ireland, Italy, Japan, Korea, Malaysia, Mexico, Netherlands, Norway, Poland, Portugal, Saudi Arabia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, UK, US and TBR21 Generic
- ▶ Auto power up on ring with 60 second timer.

Auto Power On Mode

Modem enters power-down mode when DTR is low. In this mode, power is turned off to the modem, conserving the 120mA that would otherwise be used. When a ring is detected, full modem power is automatically turned on (apprx. 2.5 sec.). Modem will answer phone on next ring.

Ordering

Part #	Description
8080-0005-2	Xpert/XLite Modem w/King Radio interface